National Institute of Environmental Health Sciences

Climate change, migration, and allergic respiratory diseases: An update for the allergist

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Abstract:

Local climate changes can impact on a number of factors, including air pollution, that have been shown to influence both the development and attacks of allergic respiratory diseases, and they thus represent an important consideration for the allergist. Migration involves exposure to a new set of pollutants and allergens and changes in housing conditions, diet and accessibility to medical services, all of which are likely to affect migrants' health. This review provides an update on climate change, migration, and allergy and discusses factors for consideration when making recommendations for local allergy service provision, and for assessing an individual patient's environmental exposures.

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Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Extreme Weather Event, Food/Water Security, Human Conflict/Displacement, Precipitation, Temperature

Air Pollution: Allergens, Interaction with Temperature, Ozone, Particulate Matter

Extreme Weather Event: Drought

Food/Water Security: Agricultural Productivity

Temperature: Fluctuations

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact: ☑

specification of health effect or disease related to climate change exposure

Respiratory Effect

Respiratory Effect: Asthma, Chronic Obstructive Pulmonary Disease, Upper Respiratory Allergy, Other Respiratory Effect

Respiratory Condition (other) : respiratory tract infections

Resource Type: ☑

format or standard characteristic of resource

Review

Timescale: ☑

time period studied

Time Scale Unspecified